



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/823,759	04/03/2001	Hsiang Tsun Yen	ACR0019-US	9111

34283 7590 12/17/2004

QUINTERO LAW OFFICE
1617 BROADWAY, 3RD FLOOR
SANTA MONICA, CA 90404

EXAMINER

NGUYEN, NHON D

ART UNIT	PAPER NUMBER
----------	--------------

2179

DATE MAILED: 12/17/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/823,759

Applicant(s)

YEN ET AL.

Examiner

Nhon (Gary) D Nguyen

Art Unit

2179

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 03 April 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-44 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-44 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 15 June 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 112

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claims 3, 13-15, 21, 35-37 and 43 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 3 recites the limitation "the overlapping display region" in line 3, page 23. There is insufficient antecedent basis for this limitation in the claim.

Claim 13 recites the limitation "a second timer" in line 2, page 26; however, there is no "first timer" presenting in the claim. The same rejection is applied to claims 14, 15, 21, 35-37 and 43.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Art Unit: 2179

4. Claims 1-4, 8, 9, 23-26, 30 and 31 are rejected under 35 U.S.C. 102(e) as being anticipated by Humpleman et al. ("Humpleman", US 6,801,507).

As per independent claims 1 and 23, Humpleman teaches a computer implemented method and corresponding system for generating user interfaces comprising the steps/means:

making a request from a client computer (col. 13, lines 53-57);

receiving the request at a server end and according to the request transferring a frame (HTM files; col. 14, lines 13-31) and a configuration file from the server end to the client computer, the configuration file comprising a plurality of filenames (e.g. icon, name and logo; col. 27, lines 9-11), a plurality file addresses (col. 11, lines 29-39) and a plurality of file coordinates (e.g. Appendixes 3 and 4; col. 32, lines 40-65), wherein each of the filenames corresponds to one file address and one file coordinate (col. 11, lines 29-39, col. 27, lines 9-11; e.g. Appendixes 3 and 4; col. 32, lines 40-65), each of the file addresses corresponds to a storage apparatus where the file corresponding to the filename is located and the file coordinate is used to designate the location of the file on the frame (col. 14, lines 1-31); and

receiving the frame and the configuration file from the client computer (col. 14, lines 13-31); and

linking to the storage apparatus corresponding to the file addresses and downloading the files corresponding to the filenames according to the file addresses corresponding to the filenames in the configuration file from the client computer (col. 14, lines 13-31); and

generating a user interface on the frame by displaying the files downloaded from the client computer based on the file coordinates corresponding to the filenames in the configuration file (col. 14, lines 13-31).

As per claims 2 and 24, Humpleman teaches the user interface comprises a content part and a layout part, and the filenames comprises a plurality of content filenames and a plurality of layout filenames, content files corresponding to the content filenames are used for generating the content part of the user interface (e.g. .GIF files; col. 14, lines 23-31), and layout files corresponding to the layout filenames are used for generating the layout part of the user interface (e.g. HTM files; col. 14, lines 23-31).

As per claims 3 and 25, Humpleman's system implements HTML for framing technique (e.g. col. 14, lines 23-31); therefore, it is inherent in Humpleman's system to delete the gap between the frame and the user interface and displaying the overlapping display region of the user interface and the frame from the client computer when the display region of the frame is larger than the display region of the user interface.

As per claims 4 and 26, Humpleman's system implements HTML for framing technique (e.g. col. 14, lines 23-31); therefore, it is inherent in Humpleman's system further comprises a plurality of margin coordinates for locating the display region of the frame, the method further comprising forming a margin on the frame from the client computer based on the margin coordinates and deleting the display region of the frame beyond the margin.

As per claims 8 and 30, Humpleman teaches the storage apparatus is an external server (202 of fig. 4a; col. 8, lines 4-44).

As per claims 9 and 31, Humpleman teaches the server comprises the storage apparatus (202 of fig. 4a; col. 8, lines 4-44).

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 5-7, 10-22, 27-29 and 32-44 are rejected under 35 U.S.C. 103(a) as being unpatentable over Humpleman.

As per claims 5-7, 10-12, 13-15, 19-21, 27-29, 32-34, 35-37 and 41-43, Humpleman further teaches

making a request from a client computer (col. 13, lines 53-57);

receiving the request at a server end and according to the request transferring a frame (HTM files; col. 14, lines 13-31) and a content/layout configuration file from the server end to the client computer, the content/layout configuration file comprising a plurality of content/layout filenames (e.g. icon, name and logo; col. 27, lines 9-11), a plurality content/layout file addresses (col. 11, lines 29-39) and a plurality of content/layout file coordinates (e.g. Appendixes 3 and 4; col. 32, lines 40-65), wherein each of the content/layout filename corresponds to one content/layout file address and one content/layout file coordinate (col. 11, lines 29-39, col. 27, lines 9-11; e.g. Appendixes 3 and 4; col. 32, lines 40-65), each of the content/layout file address

Art Unit: 2179

corresponds to a storage apparatus where the content/layout file corresponding to the content/layout filename is located and the content/layout file coordinate is used to designate the location of the content/layout files on the frame (col. 14, lines 13-31); and

receiving the frame and the content/layout configuration file from the client computer (col. 14, lines 13-31); and

linking to the storage apparatus corresponding to the content/layout file addresses and downloading the content/layout files corresponding to the content/layout filenames according to the content/layout file addresses corresponding to the content/layout filenames in the content/layout configuration file from the client computer (col. 14, lines 13-31);

determining whether the content/layout files corresponding to the content/layout filenames in the storage apparatus being updated, if yes, the client computer downloading the updated content/layout files corresponding to the content/layout filenames, if not, the client computer not downloading the content/layout files corresponding to the content/layout filenames (col. 10, line 61 – col. 11, line 5 and col. 28, lines 18-36); and

displaying the download content/layout files on the frame to update the user interface based on the content/layout file coordinates corresponding to the content/layout filenames in the configuration file from the client computer (col. 14, lines 1-31).

Humpleman, however, does not disclose the configuration file further comprises a timer for initializing the client computer at preset times to execute the above steps for updating the user interface. Examiner takes Official Notice that embedding a timer, with preset times, in a programming code for routinely updating a program would have been obvious to one of ordinary skill in the art. It would have been obvious to one of ordinary skill in the art at the time of the

Art Unit: 2179

invention to embed a timer, with preset times, in Humpleman's system for initializing the client computer at preset times to execute the above steps for updating the user interface since it would have allowed the client to receive the updated user interface information automatically from the server.

As per claims 16-18, 22, 38-40 and 44, Humpleman further teaches:

making a request from the client computer (col. 13, lines 53-57);

receiving the request at the server end and according to the request transferring a component configuration file from the server end to the client computer, the component configuration file comprising the filename (e.g. icon, name and logo; col. 27, lines 9-11), a file address corresponding to the filename (col. 11, lines 29-39) and a file coordinate corresponding to the filename (e.g. Appendixes 3 and 4; col. 32, lines 40-65), the file address corresponding to a storage apparatus where the file corresponding to the filename being located, and the file coordinate being used to designate the location of the configuration file on the frame (col. 14, lines 13-31);

receiving the frame and the component configuration file from the client computer (col. 14, lines 13-31);

linking to the storage apparatus corresponding to the file address and downloading the file corresponding to the filename according to the file address corresponding to the filename in the component configuration file from the client computer (col. 14, lines 13-31);

determining whether the file corresponding to the filename in the storage apparatus being updated, if yes, the client computer downloading the file corresponding to the filename, if not,

Art Unit: 2179

the client computer not downloading the file corresponding to the filename (col. 10, line 61 – col. 11, line 5 and col. 28, lines 18-36); and

displaying the downloaded file on the frame to update the user interface based on file coordinate in the component configuration file from the client computer (col. 14, lines 1-31).

Humpleman, however, does not disclose the configuration file further comprises a plurality of timers, each of the timers corresponding to one of the filename for initializing the client computer at preset times to execute the above steps for updating the user interface.

Examiner takes Official Notice that embedding a plurality of timers, with preset times, in a programming code for routinely updating a program would have been obvious to one of ordinary skill in the art. It would have been obvious to one of ordinary skill in the art at the time of the invention to use embed a timer, with preset times, in Humpleman's system for initializing the client computer at preset times to execute the above steps for updating the user interface since it would have allowed the client to receive the updated user interface information automatically from the server.

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

US 5887193 A to Takahashi, Fumiaki et al. discloses System for loading control information from peripheral devices which are represented as objects to a controller in a predetermined format in response to connection operation.

Art Unit: 2179

US 5956487 A to Venkatraman, Chandrasekar et al. discloses Embedding web access mechanism in an appliance for user interface functions including a web server and web browser.

US 6032202 A to Lea, Rodger J. et al. discloses Home audio/video network with two level device control.

US 6044403 A to Gerszberg, Irwin et al. discloses Network server platform for internet, JAVA server and video application server.

Inquiries

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nhon (Gary) D Nguyen whose telephone number is (571)272-4139. The examiner can normally be reached on Monday - Friday with every other Monday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Heather R Herndon can be reached on (571)272-4136. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Nhon (Gary) Nguyen


HEATHER R. HERNDON
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100